Lenz - Chapter 2

SI539 - Charles Severance

Textbook: Build Your own Ruby on Rails Application by Patrick Lenz (ISBN:978-0-975-8419-5-2)

Schedule Update

February 6: Lenz 1 + 2

February 13: Lenz 4 + 3

February 20: Lenz 3 + 4 + Exam Review

February 27: Spring Break

March 3: Written Midterm

March 12: Practical Midterm - Lenz 5

Our Goal for the Next Week

- Install Ruby on Rails and test your installation
- Install JEdit text editor and set it up for use in the course
- Make your first Rails Application
- Become familiar with using command-line interfaces to create Rails applications, start, stop, and monitor those applications

We are all in this together

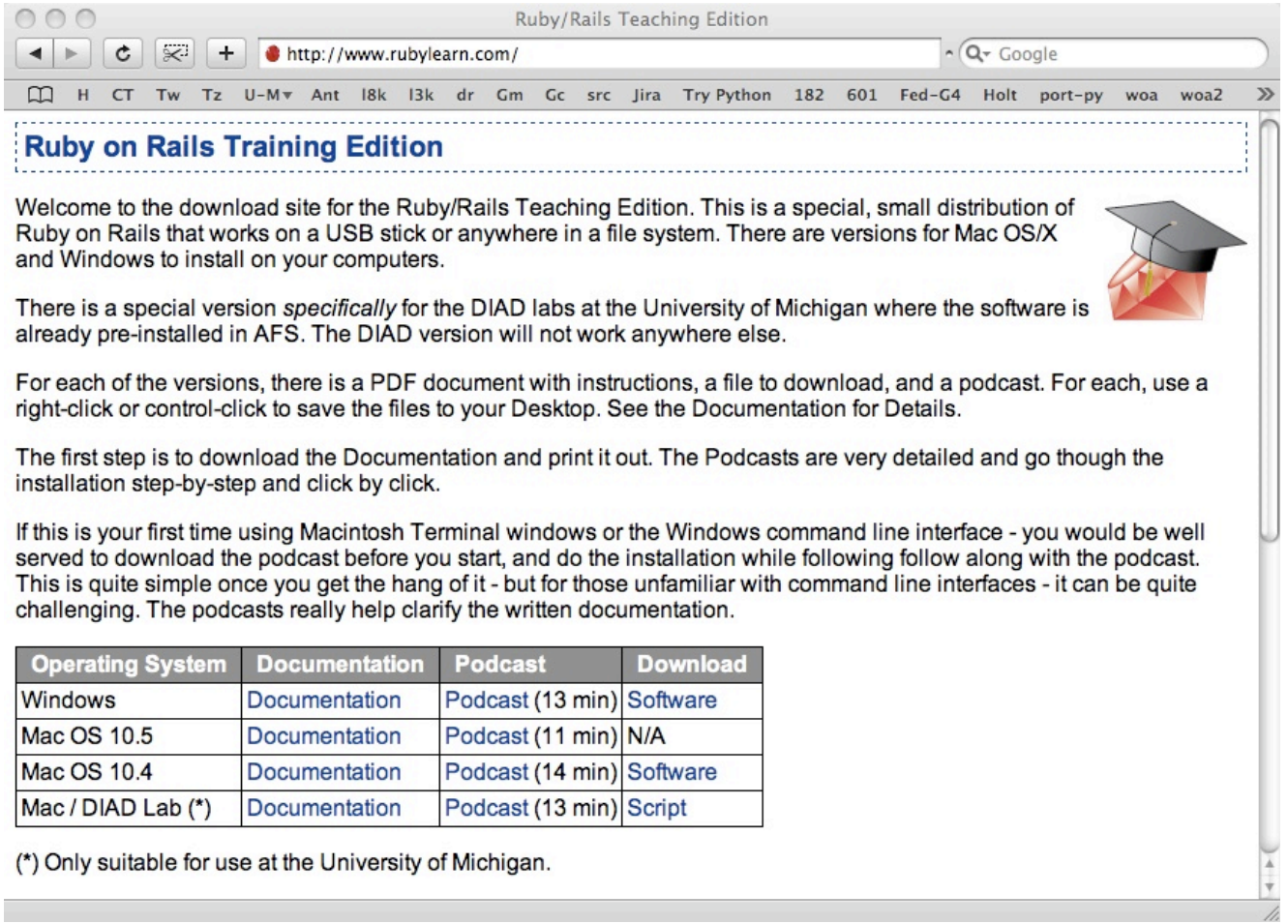
- Help each other
- Ask questions on the list
- Just get through this
- This is the week to learn this new environment
- Next assignment will be to do some programming

Chapter 2 in the Book

- Very little applies
  - Time has passed - there are new solutions available
  - We don't want to use the MySql database
  - We want to use the jEdit editor so PC and Mac functions the same
- The safest approach is to simply avoid Chapter 2 completely

www.rubylearn.com

- Ruby Teaching Edition - Built by Dr. Chuck
  - Does not modifiy your system when it is installed - simply unzip files
  - Can work on a USB stick and in a lab environment
  - Very similar between Windows and Mac - people can help each other
  - Standardize on SQLite3 and jEdit so we can help each other better



Ruby on Rails Training Edition

Welcome to the download site for the Ruby/Rails Teaching Edition. This is a special, small distribution of Ruby on Rails that works on a USB stick or anywhere in a file system. There are versions for Mac OS/X and Windows to install on your computers.

There is a special version *specifically* for the DIAD labs at the University of Michigan where the software is already pre-installed in AFS. The DIAD version will not work anywhere else.

For each of the versions, there is a PDF document with instructions, a file to download, and a podcast. For each, use a right-click or control-click to save the files to your Desktop. See the Documentation for Details.

The first step is to download the Documentation and print it out. The Podcasts are very detailed and go though the installation step-by-step and click by click.

If this is your first time using Macintosh Terminal windows or the Windows command line interface - you would be well served to download the podcast before you start, and do the installation while following follow along with the podcast. This is quite simple once you get the hang of it - but for those unfamiliar with command line interfaces - it can be quite challenging. The podcasts really help clarify the written documentation.

Operating System	Documentation	Podcast	Download
Windows	Documentation	Podcast (13 min)	Software
Mac OS 10.5	Documentation	Podcast (11 min)	N/A
Mac OS 10.4	Documentation	Podcast (14 min)	Software
Mac / DIAD Lab (*)	Documentation	Podcast (13 min)	Script

(*) Only suitable for use at the University of Michigan.

RTE - Rails Training Edition

- Two Versions
  - Windows XP and Vista
  - Macintosh OS 10.4
- Special version for SI DIAD Lab if you don't have a computer
- Macintosh OS 10.5 already has Ruby on Rails installed - Yay!

General Outline

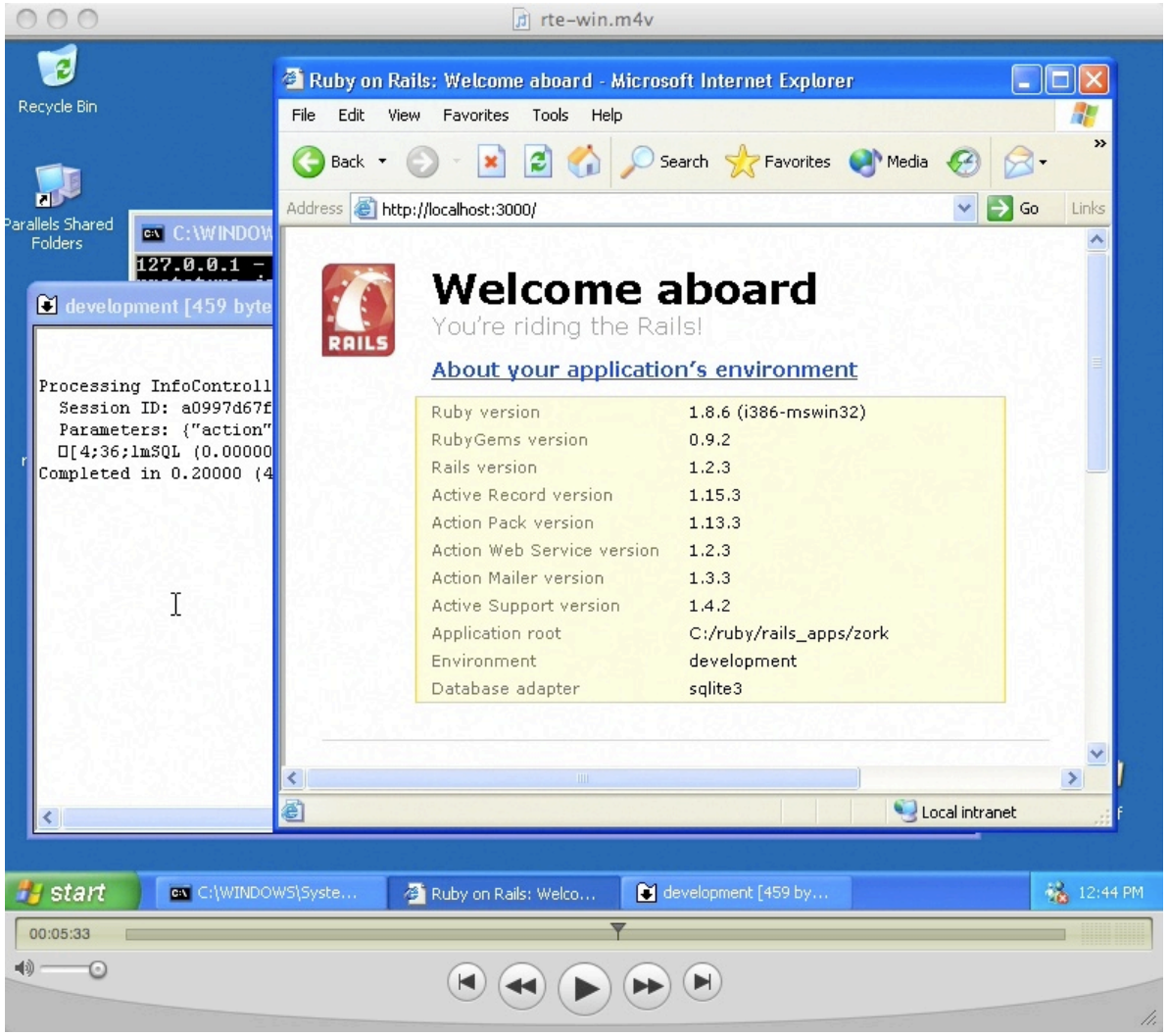
- Install and Test Ruby on Rails (www.rubylearn.com)
- Install jEdit Text Editor (www.jedit.org)
- Install SQLite Database Browser (http://sqlitebrowser.sourceforge.net/)
- Do assignment 4 last

Installing on Windows XP

- Ten page handout - 13 minute podcast
- Download and UNZIP RTE - Copy to your C Drive
- Open command (cmd) window, setup rails, make an application, and start the application - Unblock port 3000
- Test the application in a browser - Monitor the application with WinTail
- Stop the application from the command window

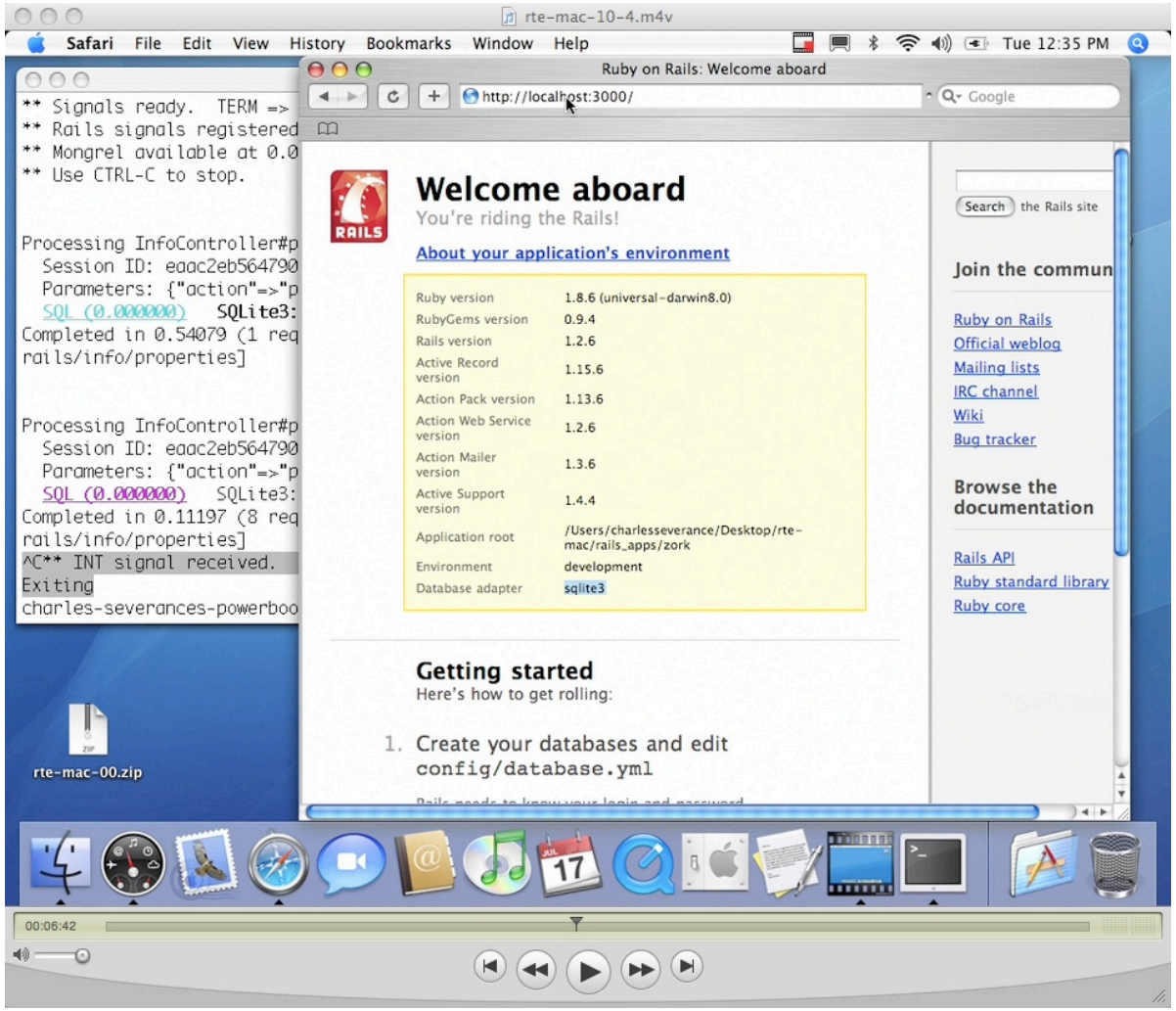
Windows Vista

- Same instructions as XP - Screens will be a little different
- Please keep notes and tell me how it differs - some screenshots would be appreciated
- I would like to site with someone who has Vista and walk through it - then I could revise the documentation.


rte-win.m4v
Recycle Bin
Parallels Shared Folders
C:\WINDOW
127.0.0.1 -
development [459 byte
Processing InfoControll
Session ID: a0997d67f
Parameters: {"action"
[4;36;1mSQL (0.00000
Completed in 0.20000 (4
Ruby on Rails: Welcome aboard - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://localhost:3000/
Go Links
Welcome aboard
You're riding the Rails!
About your application's environment
Ruby version 1.8.6 (i386-mswin32)
RubyGems version 0.9.2
Rails version 1.2.3
Active Record version 1.15.3
Action Pack version 1.13.3
Action Web Service version 1.2.3
Action Mailer version 1.3.3
Active Support version 1.4.2
Application root C:/ruby/rails_apps/zork
Environment development
Database adapter sqlite3
Local intranet
start
C:\WINDOWS\Syste...
Ruby on Rails: Welco...
development [459 by...
12:44 PM
00:05:33

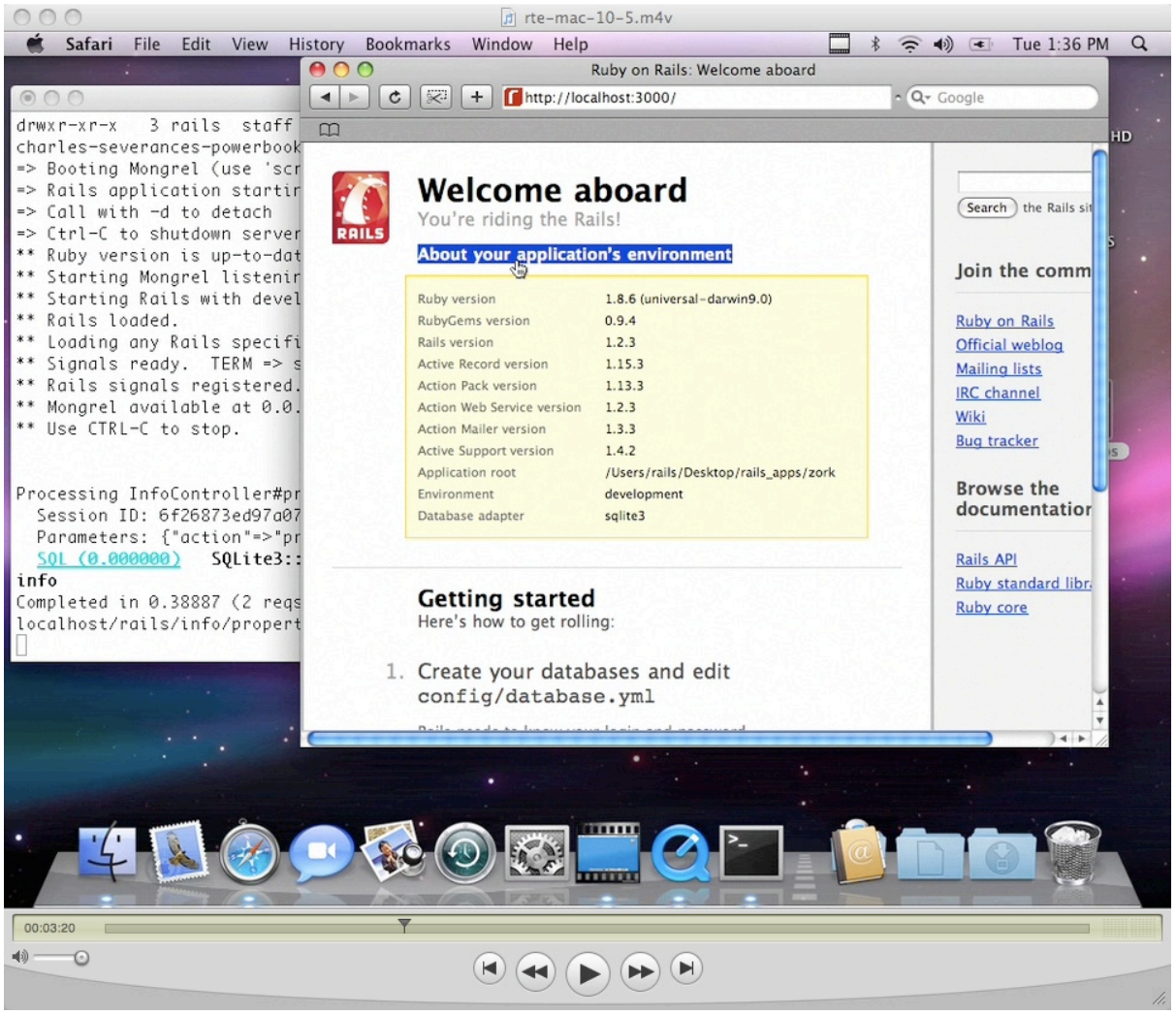
Mac OS/X 10.4

- Eight page handout - 14 minute podcast
- Download and UNZIP RTE - Copy to your Desktop
- Open terminal window, setup rails, make an application, and start the application
- Test the application in a browser - Monitor the application in the terminal window
- Stop the application from the terminal window


rte-mac-10-4.m4v
Safari File Edit View History Bookmarks Window Help
Tue 12:35 PM
** Signals ready. TERM =>
** Rails signals registered
** Mongrel available at 0.0
** Use CTRL-C to stop.
Processing InfoController#p
Session ID: eaac2eb564790
Parameters: {"action"=>"p
SQL (0.000000) SQLite3:
Completed in 0.54079 (1 req
rails/info/properties]
Processing InfoController#p
Session ID: eaac2eb564790
Parameters: {"action"=>"p
SQL (0.000000) SQLite3:
Completed in 0.11197 (8 req
rails/info/properties]
^C** INT signal received.
Exiting
charles-severances-powerboo
rte-mac-00.zip
Ruby on Rails: Welcome aboard
http://localhost:3000/
Google
Welcome aboard
You're riding the Rails!
About your application's environment
Ruby version 1.8.6 (universal-darwin8.0)
RubyGems version 0.9.4
Rails version 1.2.6
Active Record version 1.15.6
Action Pack version 1.13.6
Action Web Service version 1.2.6
Action Mailer version 1.3.6
Active Support version 1.4.4
Application root /Users/charlesseverance/Desktop/rte-mac/rails_apps/zork
Environment development
Database adapter sqlite3
Getting started
Here's how to get rolling:
1. Create your databases and edit config/database.yml
Search the Rails site
Join the commun
Ruby on Rails
Official weblog
Mailing lists
IRC channel
Wiki
Bug tracker
Browse the documentation
Rails API
Ruby standard library
Ruby core
00:06:42

Mac OS/X 10.5

- Eight page handout (Same as 10.4) - 11 minute podcast
- Ruby and Rails installed already - Yay!
- Open terminal window, make an application, and start the application
- Test the application in a browser - Monitor the application in the terminal window
- Stop the application from the terminal window


rte-mac-10-5.m4v
Safari File Edit View History Bookmarks Window Help
Tue 1:36 PM
Ruby on Rails: Welcome aboard
http://localhost:3000/
Google
drwxr-xr-x 3 rails staff
charles-severances-powerbook
=> Booting Mongrel (use 'scr
=> Rails application startir
=> Call with -d to detach
=> Ctrl-C to shutdown server
** Ruby version is up-to-dat
** Starting Mongrel listenir
** Starting Rails with devel
** Rails loaded.
** Loading any Rails specifi
** Signals ready. TERM => s
** Rails signals registered.
** Mongrel available at 0.0.
** Use CTRL-C to stop.
Processing InfoController#pr
Session ID: 6f26873ed97a07
Parameters: {"action"=>"pr
SQL (0.000000) SQLite3::
info
Completed in 0.38887 (2 reqs
localhost/rails/info/propert
RAILS
Welcome aboard
You're riding the Rails!
About your application's environment
Ruby version 1.8.6 (universal-darwin9.0)
RubyGems version 0.9.4
Rails version 1.2.3
Active Record version 1.15.3
Action Pack version 1.13.3
Action Web Service version 1.2.3
Action Mailer version 1.3.3
Active Support version 1.4.2
Application root /Users/rails/Desktop/rails_apps/zork
Environment development
Database adapter sqlite3
Getting started
Here's how to get rolling:
1. Create your databases and edit config/database.yml
Search the Rails si
Join the comm
Ruby on Rails
Official weblog
Mailing lists
IRC channel
Wiki
Bug tracker
Browse the documentatior
Rails API
Ruby standard libr
Ruby core
00:03:20

Ruby Training Edition - DIAD Lab

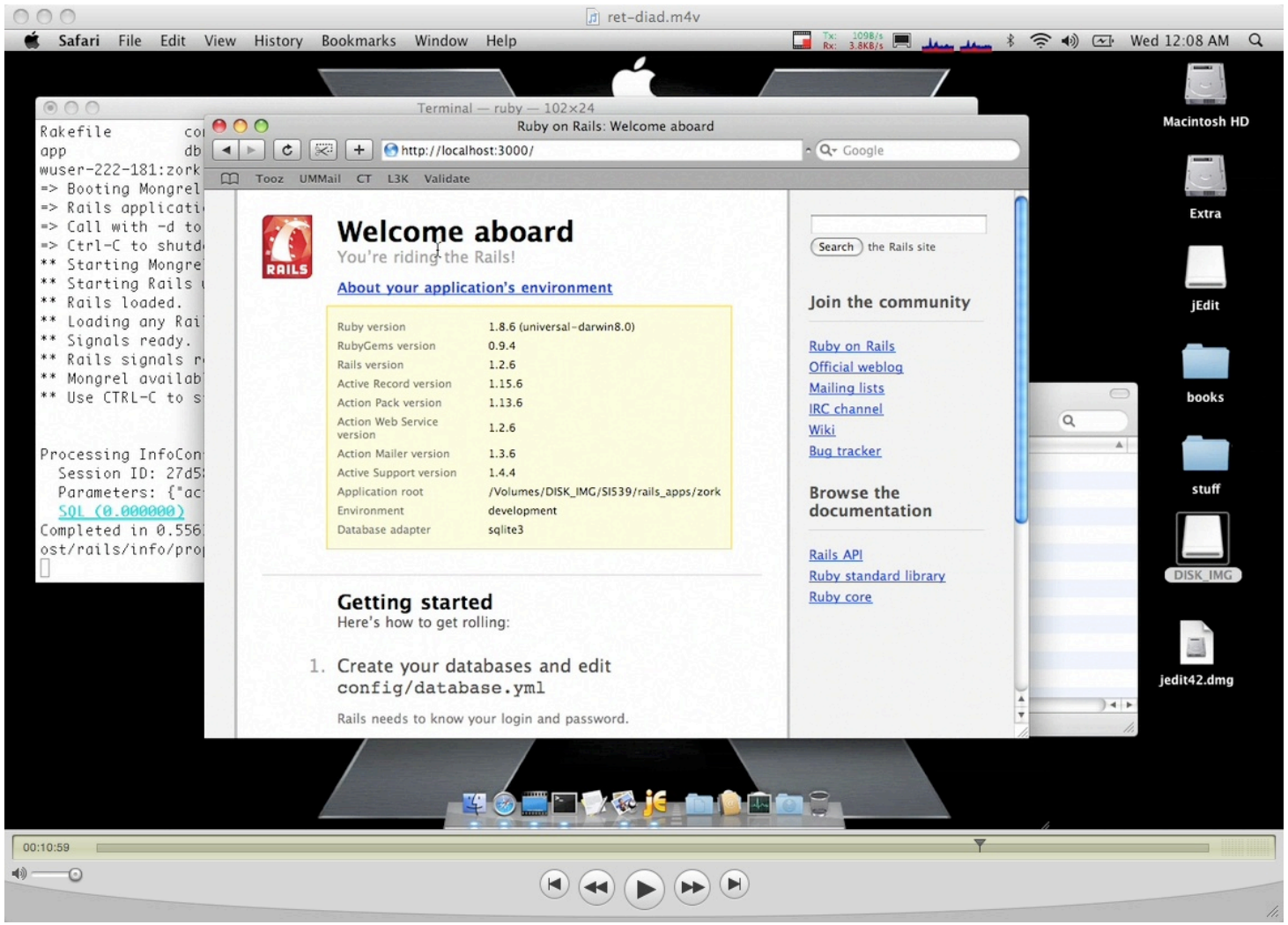
- This is a special situation
  - You have no computer
  - You have no portable and want to come to the lab and work
- This version *only* works on the DIAD Macintoshes - so you might have to learn to use a Macintosh too

Mac OS 10.4 / DIAD

- Seven page handout - 14 minute podcast
- Setup your USB stick with downloaded software and the setup script
- Open terminal window, setup rails, make an application, and start the application
- Test the application in a browser - Monitor the application in the terminal window
- Stop the application from the terminal window

Mac OS 10.4 / DIAD

- Describe how to organize your USB stick
- Describe how to quickly get things started when you come to lab
- It is more explicit because some folks wil be learning Macintosh for the first time.


ret-diad.m4v
Safari File Edit View History Bookmarks Window Help
Wed 12:08 AM
Terminal — ruby — 102×24
Rakefile
app
wuser-222-181:zork
=> Booting Mongrel
=> Rails applicati
=> Call with -d to
=> Ctrl-C to shutd
** Starting Mongre
** Starting Rails
** Rails loaded.
** Loading any Rai
** Signals ready.
** Rails signals r
** Mongrel availab
** Use CTRL-C to s
Processing InfoCon
Session ID: 27d5
Parameters: {"ac
SQL (0.000000)
Completed in 0.556
ost/rails/info/pro
Ruby on Rails: Welcome aboard
http://localhost:3000/
Google
Tooz UMMail CT L3K Validate
Welcome aboard
You're riding the Rails!
About your application's environment
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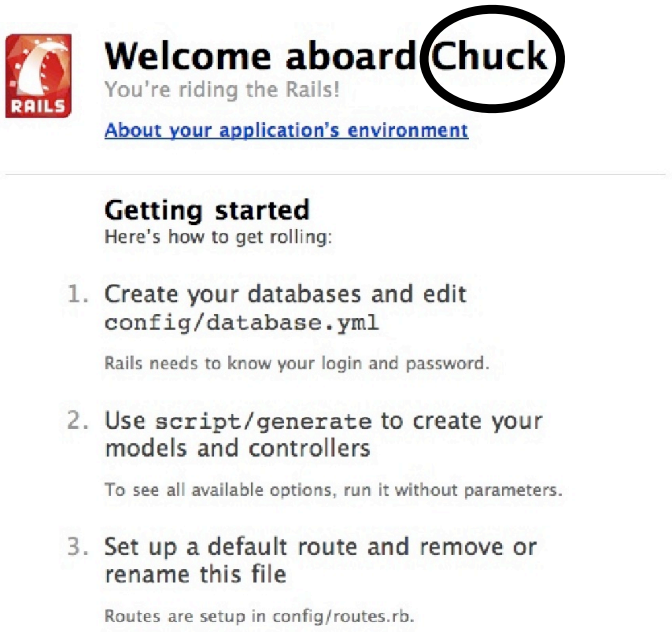
Rails version 1.2.6
Active Record version 1.15.6
Action Pack version 1.13.6
Action Web Service version 1.2.6
Action Mailer version 1.3.6
Active Support version 1.4.4
Application root /Volumes/DISK_IMG/SI539/rails_apps/zork
Environment development
Database adapter sqlite3
Getting started
Here's how to get rolling:
1. Create your databases and edit config/database.yml
Rails needs to know your login and password.
Search the Rails site
Join the community
Ruby on Rails
Official weblog
Mailing lists
IRC channel
Wiki
Bug tracker
Browse the documentation
Rails API
Ruby standard library
Ruby core
Macintosh HD
Extra
jEdit
books
stuff
DISK_IMG
jedit42.dmg
00:10:59

Assignment 5

- First: Work your way through the handouts and become comfortable with starting the command line interface, getting into the right directory, making rails applications, starting and stopping rails applications.
- Second: Work on Assignment 5

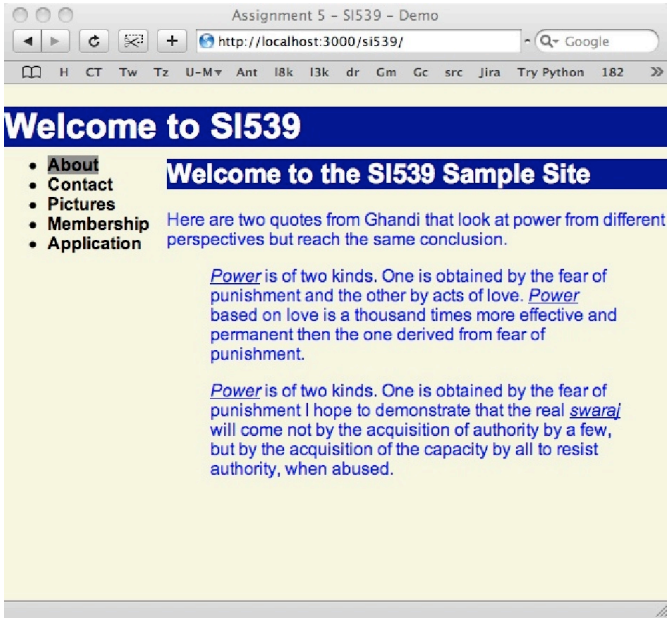
Assignment 5

- Make a rails application
- Start the rails server
- Make a tiny change in the file - add your name
- Take a screenshot



Assignment 5

- Put your Assignment 4 files into a directory in the rails application
- Rename index.htm to index.html
- View your files through the rails server
- Take a screen shot.



Summary

- This week you are learning mechanics
- Installing software
- Doing things with rails
- Get comfortable
- The assignment is “trivial” at some level - and overwhelming at another level

Summary

- If you get lost - you will quickly decide that you are "not worthy" and that the computer is out to get you and that you will never figure this out
- Sometimes you just forgot to add a space or to put in a capital letter instead of lower case.
- In two weeks - you will be flying around the command line and jEdit - when you look back - you will wonder how something so simple ever confused you.

We only get confused like this twice in the course - this is the second and last time.

Please Make it Easy on Yourself

- Watch the podcasts first - they answer a lot of the questions
- Print out the rubylearn.com handout
- Do not get stuck ever - there is nothing challenging here at all
- Sit with someone - it is hard to diagnose stuckness over E-Mail
- Mark up your printed materials when something is unclear - I want to make this easier next time.